

Fig.5A

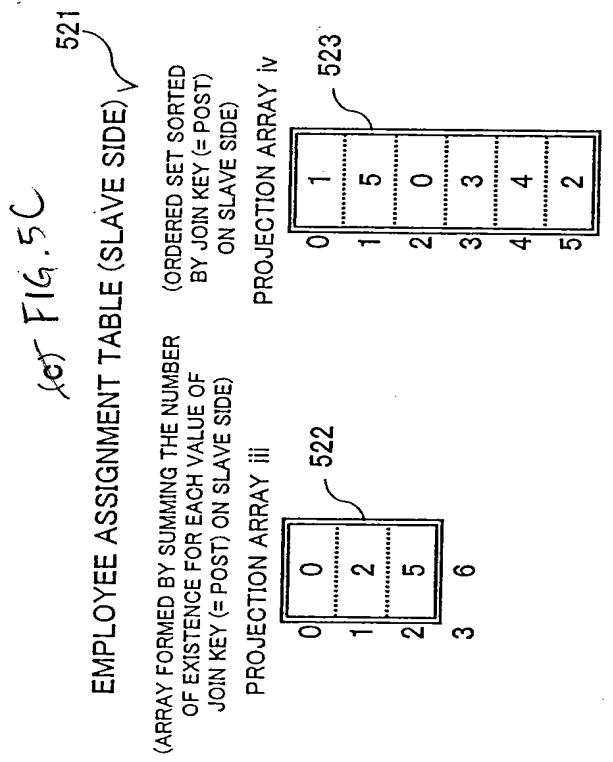
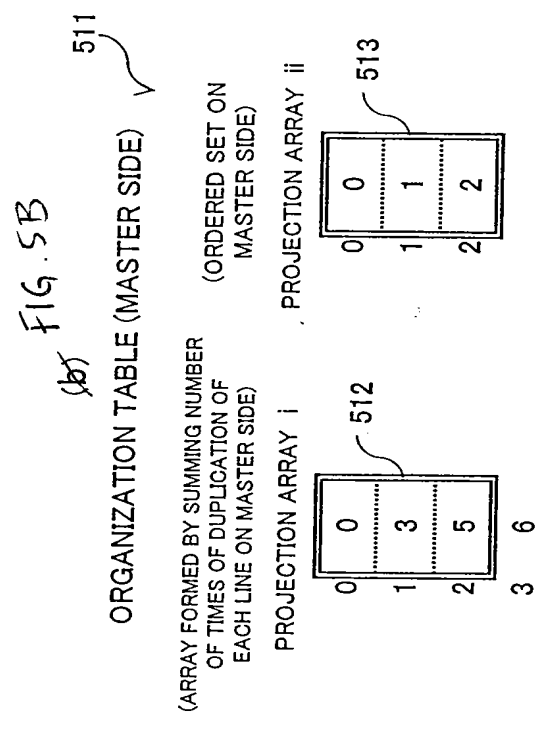
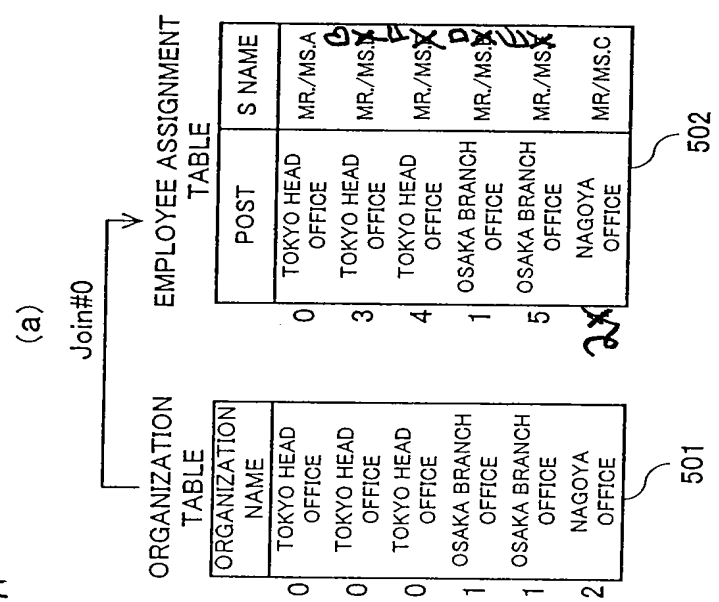


Fig. 6A

(a)

Join#1

EMPLOYEE ASSIGNMENT TABLE

POST	S NAME
0	TOKYO HEAD OFFICE
0	TOKYO HEAD OFFICE
1	OSAKA BRANCH OFFICE
1	OSAKA BRANCH OFFICE
2	NAGOYA OFFICE
3	TOKYO HEAD OFFICE
3	TOKYO HEAD OFFICE
4	TOKYO HEAD OFFICE
4	TOKYO HEAD OFFICE
5	OSAKA BRANCH OFFICE

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EMPLOYEE CAREER TABLE

R NAME	PROJECT
0	Mr./MS.A
7	Mr./MS.A
1	Mr./MS.D
6	Mr./MS.D
4	Mr./MS.C
3	Mr./MS.B
8	Mr./MS.B
5	Mr./MS.F
2	Mr./MS.E

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FIG. 6B (b)

EMPLOYEE ASSIGNMENT TABLE (MASTER SIDE)

611

(ARRAY FORMED BY SUMMING NUMBER OF TIMES OF DUPLICATION OF EACH LINE ON MASTER SIDE)

PROJECTION ARRAY i

0	0
1	2
2	4
3	5
4	7
5	8
6	9

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PROJECTION ARRAY ii

0	0
1	1
2	2
3	3
4	4
5	5

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(c) FIG. 6C

EMPLOYEE CAREER TABLE (SLAVE SIDE)

621

(ARRAY FORMED BY SUMMING THE NUMBER OF EXISTENCE FOR EACH VALUE OF JOIN KEY (= R NAME) ON SLAVE SIDE)

PROJECTION ARRAY iii

0	0
1	2
2	4
3	5
4	7
5	8
6	9

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PROJECTION ARRAY iv

0	0
1	7
2	3
3	8
4	4
5	1
6	6
7	2
8	5

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